AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A zoom method comprising:

searching a center search line of a photographic screen, wherein the center search

line comprises a horizontal axis at an approximate center of the photographic screen;

searching [[an]]each of a plurality of upper search line lines from the center search

line;

searching each of a plurality of lower search line; from the center search line;

extracting a color average value and a deviation of a photographic object within

the photographic screen for each of the <u>plurality of upper search line lines</u> and the <u>plurality of</u>

lower search-line lines;

determining a size of photographic object based on the extracted color average

value and the extracted deviation for each of the plurality of upper search line lines and the

plurality of lower search-line lines, wherein determining the size of the photographic object

includes determining a number of pixels that exist within a range of a certain deviation from an

average value of a specific color and determining an area of the photographic object based on

the determined number of pixels; and

setting a zoom ratio by comparing the determined size of the photographic object

with a reference value or with a preset size.

2-3. (Canceled)

4. (Currently Amended) The method of claim 1, wherein determining the size of the photographic object comprises:

analogizing a size of [[a]]the photographic object by calculating the average value and the deviation; and

judging whether the photographic object is a normal region corresponding to a photographic mode.

- 5. (Original) The method of claim 4, further comprising converting a digital camera into a user hand mode so that a user can perform a direct zoom processing when the photographic object is not a normal region.
- 6. (Original) The method of claim 1, wherein searching the center search line comprises:

setting a photographic mode;

preprocessing the photographic screen; and

performing a line scanning at a region of the center search line.

- 7. (Original) The method of claim 6, wherein preprocessing the photographic screen comprises performing one of a smoothing method and a blurring method for minimizing error generation.
 - 8. (Canceled)
- 9. (Currently Amended) The method of claim 1, further comprising[[:]] detecting the photographic object by the searching of the center search line; searching a number of upper search lines from the center search line; searching a number of lower search lines from the center search line; and extracting the color average value and the deviation of the photographic object for each of the searched upper search lines and the searched lower search lines.
- 10. (Currently Amended) The method of claim [[9]]1, wherein searching each of the number-plurality of upper search lines and each of the plurality of lower search lines comprises performing a line-scanning, and searching lines set with a predetermined gap up and down one line by one line.
- 11. (Currently Amended) The method of claim [[9]]1, wherein when the photographic object is not detected, the method further comprises:

resetting the center search line;

resetting upper search lines and lower search lines based on the reset center search line; and

searching <u>each of the number plurality</u> of upper <u>search lines</u> and <u>the plurality of</u> lower search lines based on the reset search line.

12. (Canceled)

- 13. (Previously Presented) The method of claim 1, wherein the reference value comprises one of a value manually preset by a user and a value preset based on a screen contrast.
 - 14. (Currently Amended) A zoom method comprising:

searching a plurality of lines of a photographic screen by alternatively searching lines with a pre-determined gap up or down one line by one line;

for each of the plurality of lines, extracting a color average value and a deviation of a photographic object on the photographic screen;

determining a size of a photographic object based on the extracted color average value and the extracted deviation for each of the plurality of lines, wherein determining the size of the photographic object includes determining a number of pixels that exist within a range of a certain deviation from an average value of a particular color and determining an area of the photographic object based on the determined number of pixels;

determining a zoom ratio by comparing the determined size of the photographic object and a reference value; and

applying the determined zoom ratio to the photographic object.

- 15. (Previously Presented) The method of claim 14, further comprising:
 setting a center search line of the photographic screen, and wherein the extracting includes performing a line scan of the center search line to extract the color average value and the deviation.
 - 16. (Original) The method of claim 14, further comprising:
 preprocessing the photographic screen according to a set photographic mode.
- 17. (Original) The method of claim 16, wherein the photographic mode comprises one of a portrait mode and a text mode.
- 18. (Original) The method of claim 16, wherein the preprocessing comprises one of a smoothing method and a blurring method for minimizing error generation.
- 19. (Previously Presented) The method of claim 15, wherein the center search line comprises a horizontal axis at an approximate center of the photographic screen for performing a line scan in order to detect the photographic object.

- 20. (Previously Presented) The method of claim 15, further comprising resetting the center search line when the photographic object is not detected along the center search line, and wherein the extracting includes performing a line scan based on the reset center search line.
 - 21. (Canceled)
- 22. (Original) The method of claim 14, further comprising converting into a user hand mode so that a user can perform a direct zoom processing when the photographic object is not a normal region.
- 23. (Original) The method of claim 14, wherein the reference value comprises one of a value preset manually by a user and a value preset based on a screen contrast.
- 24. (Currently Amended) A zoom method of a digital camera apparatus associated with a mobile communication terminal, the method comprising:

searching a center search line of a photographic screen to detect a photographic object, wherein the center search line is approximately at a center of the photographic screen;

searching [[an]]a plurality of upper search line of the center search line to extract an average value and a deviation of a skin color of the photographic object for each of the upper search lines;

searching a <u>plurality of lower search line lines</u> of the center search line to extract an average value and a deviation of a skin color of the photographic object <u>for each of the lower search lines</u>;

determining a size of a face region based on the extracted average value and the extracted deviation of the skin color for <u>each of</u> the <u>plurality of</u> upper search <u>line lines</u> and based on the extracted average value and the extracted deviation of the skin color for <u>each of</u> the <u>plurality of</u> lower search <u>line lines</u>, wherein determining the size of the face region includes determining a number of pixels that exist within a range of a certain deviation from an average value of a skin color and determining an area of the face region based on the determined number of pixels;

comparing the determined size of the face region with a reference value; calculating a zoom ratio based on the comparing; and applying the calculated zoom ratio to the photographic screen.

25-27. (Canceled)

28. (Original) The method of claim 24, further comprising resetting a search line and searching the reset search line.

- 29. (Currently Amended) The method of claim 24, wherein searching the <u>plurality of</u> upper search <u>line-lines</u> and searching the <u>plurality of</u> lower search <u>line-lines</u> comprises alternatively searching lines set with a predetermined gap up and down one line by one line.
 - 30. (Canceled)
- 31. (Currently Amended) The method of claim 24, wherein determining the size of the face region <u>further</u> comprises:

analogizing a length of a longest search line as a face width by obtaining a length variation through search lines having a smaller gap than the upper and lower search lines.

- 32. (Currently Amended) The method of claim 24, wherein determining the size of the face region <u>further</u> comprises judging whether a calculated face region is a normal photographic object.
- 33. (Previously Presented) The method of claim 32, further comprising converting the digital camera into a user hand mode so that a user can perform a direct zoom processing when the determined face region is not a normal photographic object.

34. (Currently Amended) The method of claim 24, wherein when plural a plurality of skin colors more than a certain length exist along the center search line and skin colors of a same pattern are detected at adjacent upper and lower search lines, the method further comprises:

determining that a plurality of photographic objects exist;

extracting an average value and a deviation of a skin color for each photographic object judged that is determined to be a face;

determining an area of a face region by obtaining a number of pixels that exist within a range of a certain deviation from an average value of each skin color; and

zooming a photographic screen with a preset zoom ratio based on the number of pixels and the determined face-area of the photographic objects.

35. (Currently Amended) A digital camera zoom method for a mobile communication terminal, the method comprising:

searching a center search line of a photographic screen to detect text;

determining an average value of a stroke thickness of the text by searching a

plurality of upper search lines and a plurality of lower search lines of the photographic screen;

determining a size of the text based on the determined average value of the stroke

thickness of the text;

comparing the determined size of the text with a reference value; calculating a zoom ratio based on the comparing; and

applying the calculated zoom ratio to the photographic screen.

- 36. (Original) The method of claim 35, further comprising:zooming the photographic screen to a maximum degree and enlarging the text.
- 37-38. (Canceled)
- 39. (Currently Amended) A zoom method in a digital camera comprising:

 determining which one of at least two modes has been selectively set in the digital camera, wherein the at least two modes includes a first mode and a second mode, the first mode

to zoom-process at least one photographic object in a different manner from the second mode;

recognizing the at least one photographic object included in a photographic image based on the set mode, wherein the recognizing includes detecting a region corresponding to the at least one photographic object and calculating a size of the region based on a determined number of pixels occupied by the at least one photographic object; and

zooming the photographic image based on [[a]]the calculated size of the recognized object region.

- 40. (Canceled)
- 41. (Currently Amended) The zoom method of claim [[40]]39, wherein a zoom-processing speed of the first mode is slower than a zoom-processing speed of the second mode.

42-43. (Canceled)

- 44. (Currently Amended) The zoom method of claim [[40]]39, wherein the detecting is based on a color average value and a deviation of the at least one photographic object.
- 45. (Previously Presented) The zoom method of claim 39, wherein the at least one photographic object includes a human face.
- 46. (Previously Presented) The zoom method of claim 39, further comprising:

 preprocessing the photographic image before recognizing the at least one
 photographic object so as to minimize noise in the photographic image.
- 47. (Currently Amended) A mobile communication terminal having a digital camera, comprising:

a wireless communication module to receive and transmit a radio frequency;
the digital camera having a zoom function, wherein the zoom function has at least
two modes including a first mode and a second mode, the first mode to zoom-process at least
one photographic object in a different manner from the second mode;

a controller to control the wireless communication module and the digital camera; and

a display screen to display information received via the wireless communication module and a photographic image captured by the digital camera under control of the controller, wherein the controller comprises at least one algorithm to:

determine which one of the at least two modes has been selectively set in the digital camera;

recognize the at least one photographic object included in a photographic image based on said set mode, wherein to recognize the at least one photographic object includes detecting a region corresponding to the at least one photographic object and determining a size of the region based on a determined number of pixels occupied by the at least one photographic object;

zoom the photographic image based on [[a]]the calculated size of the recognized object region; and

display the zoomed photographic image on the display screen.

48-49. (Canceled)

50. (Currently Amended) The mobile communication terminal of claim [[48]]47, wherein the at least one photographic object includes a human face.